

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) An apparatus for use in sealing a perimeter of an individual cell of a fuel cell assembly comprising:

a gasket including opposed sides ~~about~~ defining a perimeter seal for a reactant flow field of the individual cell defined by a separator plate of the fuel cell assembly; and ~~with the gasket including~~

at least one generally rigid bridge extending between and fixed to the opposed sides and extending across flow channels in the separator plate defining the reactant flow field.

2. (Original) The apparatus of claim 1 further including a gas diffusion layer having a perimeter, and with the gasket shaped to surround and mate with the perimeter of the gas diffusion layer.

3. (Original) The apparatus of claim 1 wherein the gasket includes a carrier layer and an elastomeric seal layer mounted thereto.

4. (Original) The apparatus of claim 1 wherein the bridge is integral with the gasket.

5. (Original) The apparatus of claim 1 wherein the at least one bridge is two bridges.

6. (Currently Amended) An individual cell adapted for use in a fuel cell assembly comprising:

a membrane electrode assembly including a first gasket mounted about and defining a perimeter seal for a first gas diffusion layer and a second gasket mounted about and defining a perimeter seal for a second gas diffusion layer;

a first separator plate including a first set of flow channels;

a second separator plate including a second set of flow channels; and

wherein the first gasket includes at least one first generally rigid bridge fixed to opposite sides of the first gasket and extending ~~adjacent~~ across the first set of flow channels, and the second gasket includes at least one second generally rigid bridge fixed to opposite sides of the second gasket and extending ~~adjacent~~ across the second set of flow channels.

7. (Original) The individual cell of claim 6 wherein the first generally rigid bridge is integral with the first gasket.

8. (Original) The individual cell of claim 7 wherein the second generally rigid bridge is integral with the second gasket.

9. (Original) The individual cell of claim 6 wherein the first gasket includes a carrier layer and an elastomeric seal layer mounted thereto.

10. (Original) The individual cell of claim 9 wherein the second gasket includes a carrier layer and an elastomeric seal layer mounted thereto.

11. (Currently Amended) A method of assembling a gasket to a separator plate that has fluid flow channels, the method comprising the steps of:

forming a generally rigid bridge on the gasket;

locating the bridge gasket adjacent the fluid flow channels, wherein the bridge extends across the channels; and

compressing the gasket against the separator plate with a sealing load.

12. (New) The method of claim 11 wherein the bridge is located outside of the channels after the compressing.

13. (New) The method of claim 11 further comprising securing a gas diffusion layer to the gasket.

14. (New) The method of claim 13 wherein the securing includes molding the gasket to the gas diffusion layer.

15. (New) The method of claim 11 wherein the bridge extends transversely across the channels.

16. (New) The method of claim 11 wherein the forming includes integrally molding the bridge with the gasket.

17. (New) The apparatus of claim 1 wherein the bridge extends transversely across the channels.

18. (New) The individual cell of claim 6 wherein the bridge extends transversely across the channels.